

Claims:

Cancel claims 5-14 and substitute new claims 15-24 as follows:

1. (original): A method of performing additional ejection sequences in an injection mold on demand comprising the steps of:
 - a. Detecting the presence of a molded article, or portion thereof, in the injection mold
 - b. Initiating the next molding cycle if the said molded article, or portion thereof, is not detected in the said mold
 - c. Activating an ejection sequence if said molded article, or portion thereof, is detected in said mold
2. (original): The method of detecting the presence of said molded article, or portion thereof, of **Claim 1** is accomplished with a vision-system
3. (original): The method of detecting the presence of said molded article, or portion thereof, of **Claim 1** is accomplished with one or more radiation emitting and receiving sensors
4. (original): The method of detecting the presence of said molded article, or portion thereof, of **Claim 1** detects the presence of said molded article, or portion thereof, in said injection mold and portions of the mold which are not in position prior to initiating said next cycle
- 5 – 14 (canceled)
15. (new): The method of **Claim 1**, where said article, or portion thereof, is the molded part
16. (new): The method of **Claim 1**, where said article, or portion thereof, is a byproduct of molding the part
17. (new): The method of **Claim 1**, where said ejection sequences are mechanical sequences
18. (new): The method of **Claim 1**, where said ejection sequences are pneumatic sequences
19. (new): The method of **Claim 1**, where said injection mold is a plastic-injection mold
20. (new): The method of **Claim 1**, where said injection mold is a metal-injection mold
21. (new): The method of **Claim 1**, where said injection mold is a silicone-injection mold

22. (new): The method of **Claim 1**, where said molded article, or portion thereof, is a plastic-injection molded article, or portion thereof
23. (new): The method of **Claim 1**, where said molded article, or portion thereof, is a metal-injection molded article, or portion thereof
24. (new): The method of **Claim 1**, where said molded article, or portion thereof, is a silicone-injection molded article, or portion thereof